IN THE SPECIFICATION:

On page 1, before the first paragraph of the application, please insert the following:

--This is a continuation of prior U.S. Application Serial No. 09/800,260, filed March 6, 2001.--

[0008] These objects, as well as other that will become apparent upon reference to the following detailed description and accompanying drawings, are achieved by an engineered carbonaceous material (ECM) comprising a mixture of synthetic graphite and one or more other graphite, such as natural flake graphite, natural vein graphite, and/or amorphous graphite. The objects are also achieved by an ECM comprising a mixture of expanded graphite and one or more other graphite materials, such as natural flake graphite, natural vein graphite, amorphous graphite and/or synthetic graphite, in which the carbonaceous material has a purity of between 90.0 and 99.9 C (based on LOI). The ECM is preferably mixed with 0.01 to 20.0 wt% Mn0₂ to create a battery active material. The mixtures may be made by either co-blending or co-grinding the graphites together. The mixtures may contain between 0.1 and 99.9 wt% expanded graphite and may be further combined with from between and including 92.0 and 95.2 wt% Mn0₂. An electrochemical cell incorporating the material is also contemplated.

[0027] (b) A product of simultaneous grinding in the same mill ("co-grinding") of a precursor material to make 5535APH (40 wt%) and a precursor material to make 2935APH (60 wt%). The milling has been accomplished in a flat-configured production size jet mill by the means of feeding of a blend of two corresponding precursor materials of the controlled ratio. (5535APH is a purified (synthetic) graphite that has been hot air pancake milled down in size to

have a d90 of less than 20 microns. In general, the distribution is 90% less than 20 microns, 50% less than 8.5 microns, and $\underline{10\%}$ less than 3.5 microns.)

[0037]

Table 1 – Electrical Resistivity for ECM Graphite vs. Baseline

Resistivity/	Baseline	Synthetic	Natural	Blend:	Co-grind:	Blend: 50wt%	Co-grind:
Composition	Synthetic	5535APH,	2935APH	60wt%	60wt%	2935 APH+	50wt%
of Carbon	KS-44	Superior	Superior	2935APH+	2935APH+	50wt%	2935APH+
Additive	Timcal	Graphite Co.	Graphite Co.	40wt%	40wt%	5535APH	50wt%
		-		5535APH	5535APH		5535APH
Total amount of conductive additive in the EMD disc – 7 wt% (EMD/C ratio: 13.3:1)							
Resistivity,	29.1	8.44	16.9	4.91	1.51	4.07	1.48
Ohm-inch		<u>16.9</u>	<u>8.44</u>				
Resistivity,	0.12	3.3 x 10 ⁻²	6.6 x 10 ⁻²	1.9 x 10 ⁻²	5.9 x 10 ⁻³	1.6 x 10 ⁻²	5.8 x 10 ⁻³
Ohm-cm		<u>6.6 x 10⁻²</u>	3.3 x 10 ⁻²				
Total amount of conductive additive in the EMD disc – 8wt% (EMD/C ratio: 11.5:1)							
Resistivity,	1.84	4.15	7.92	1.6	0.84	1.96	1.46
Ohm-inch		<u>7.92</u>	<u>4.15</u>				
Resistivity,	7.2 x 10 ⁻³	1.6-x-10 ⁻²	3.1×10^{-2}	6.4×10^{-3}	3.3 x 10 ⁻³	7.7 x 10 ⁻³	5.7 x 10 ⁻³
Ohm-cm		3.1×10^{-2}	1.6 x 10 ⁻²				